ORDER NO. VKD8402081 3C8

Service Manual

Power Supply

WV-PS01AE/WV-PS01AN

SPECIFICATIONS

Power Source:	WV-PS01 AE/B set at 240V, AC50Hz WV-PS01 AE/C set at 220V, AC50Hz WV-PS01 AN/A set at 240V, AC50Hz WV-PS01 AN set at 220V, AC50Hz
Power Consumption:	13.0 Watts
Cable Length for Video, Audio and Pause:	Approx. 6.6 ft (2m)
Video Output:	1.0Vp-p PAL composite/75 ohms
Audio Output:	−20 dB/1 kohms
10pin Connector:	1. Video In/Out 6. Pause 2. Ground for 1. 7. Audio In (L) 3. Ground 8. Ground for 7 and 5 4. Ground 9. Ground 5. Audio In (R) 10.+B/12V
Dimension:	3-3/8" (W) x 2-7/8" (H) x 5-1/2" (D) 86.0 (W) x 71.5 (H) x 138.0 (D) mm
Weight:	2.2 lbs. (1 kg)

National/Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

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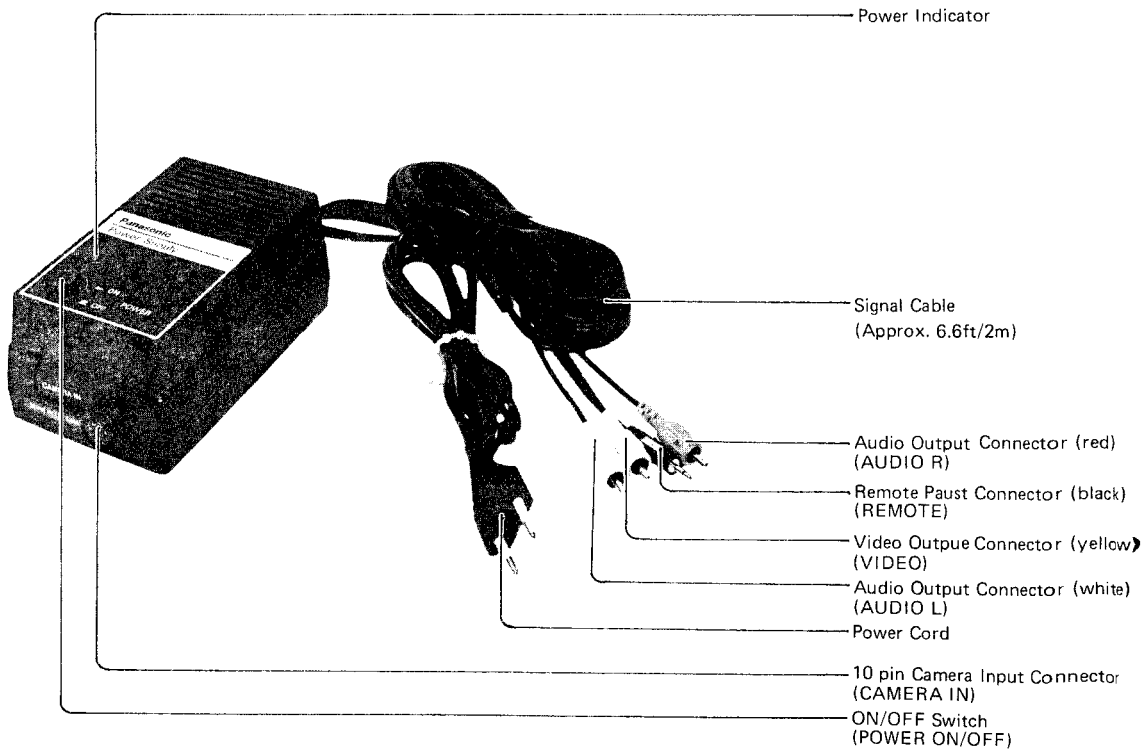
APPLICABLE CAMERA

WV-3300E	WV-3000E	WVP-200E
WV-3300N	WV-3000N	WVP-200N
WV-3310E	WV-3030E	WVP-55E
WV-3310N	WV-3030N	WVP-55N
WV-3320E	WVP-100E	WVP-35E
WV-3320N	WVP-100N	WVP-35N
WV-3200E	WVP-50E	
WV-3200N	WVP-50N	
WV-2600E	WVP-30E	
WV-2600N	WVP-30N	

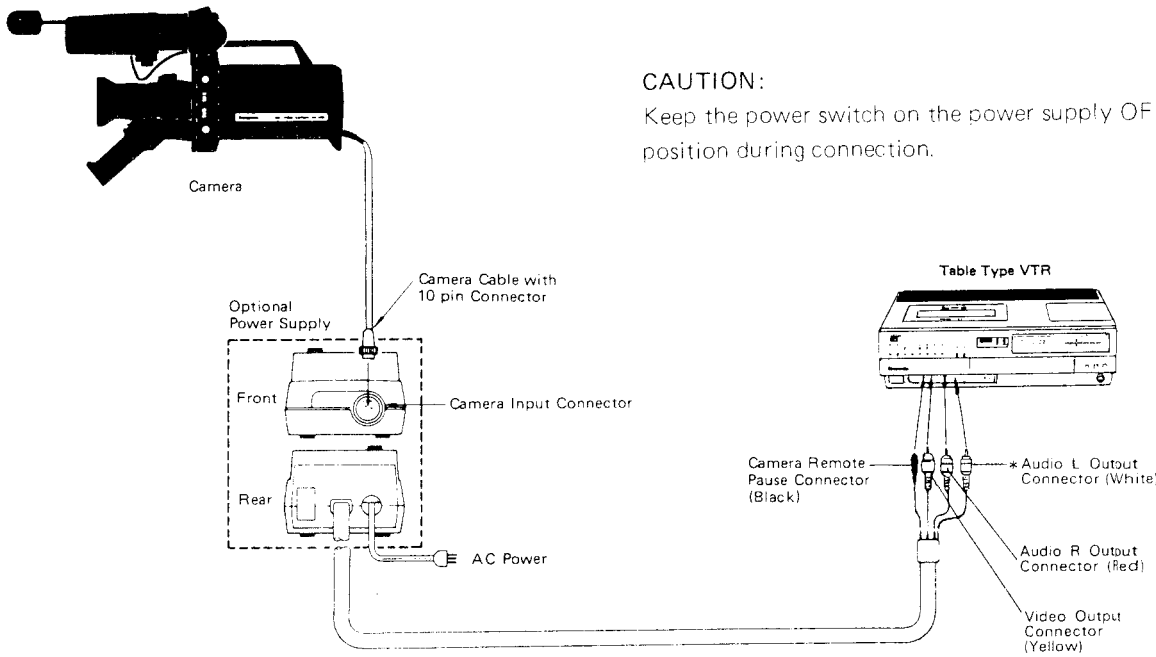
STANDARD ACCESSORY

- BNC (Male)-RCA (Female) Adaptor (YWRCAMBNCFA) ..... 1 pc

MAJOR OPERATING CONTROLS

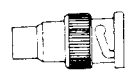


HOW TO CONNECT TO A VIDEO CASSETTE RECORDER



CAUTION:
Keep the power switch on the power supply OFF position during connection.

Use the BNC-RCA adaptor (supplied accessory) if the recorder "Video In" connector is of the BNC type.



RCA–BNC Adaptor

*Note : When monaural type camera or VTR is used with the power supply, connect the audio L output connector to the VTR.

DISASSEMBLING PROCEDURE

- Remove two screws which hold the upper cover and remove the upper cover (Fig. 1)

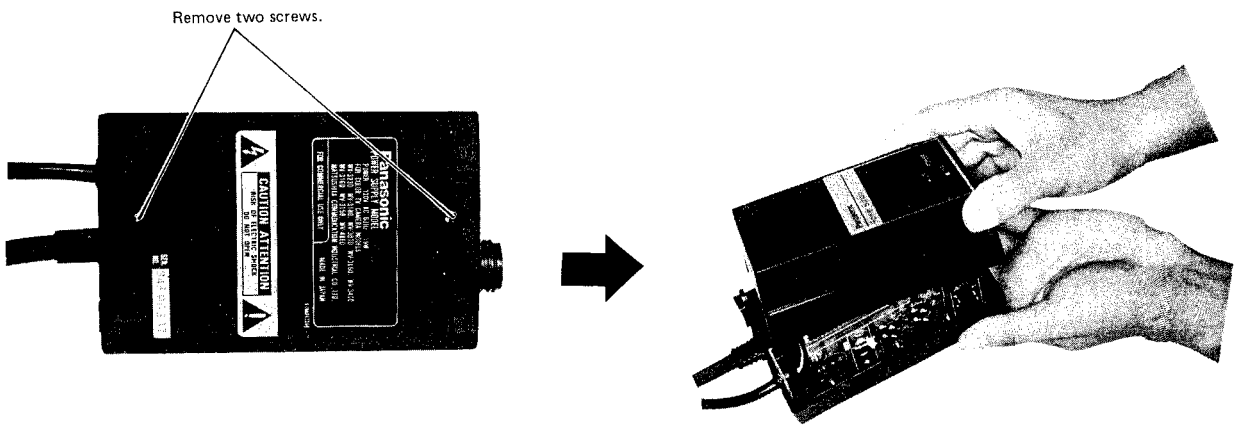
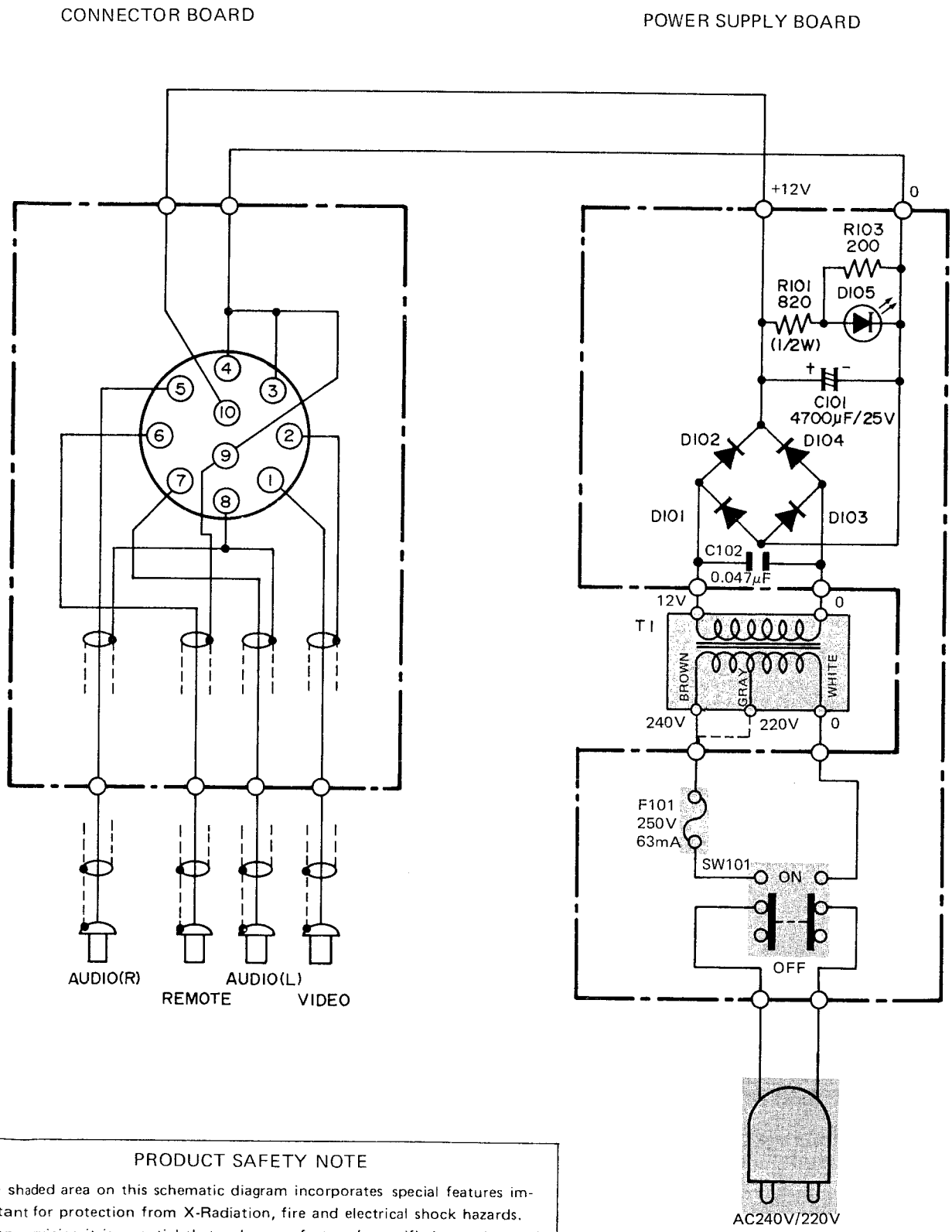


Fig.1

SCHEMATIC DIAGRAM OF POWER SUPPLY



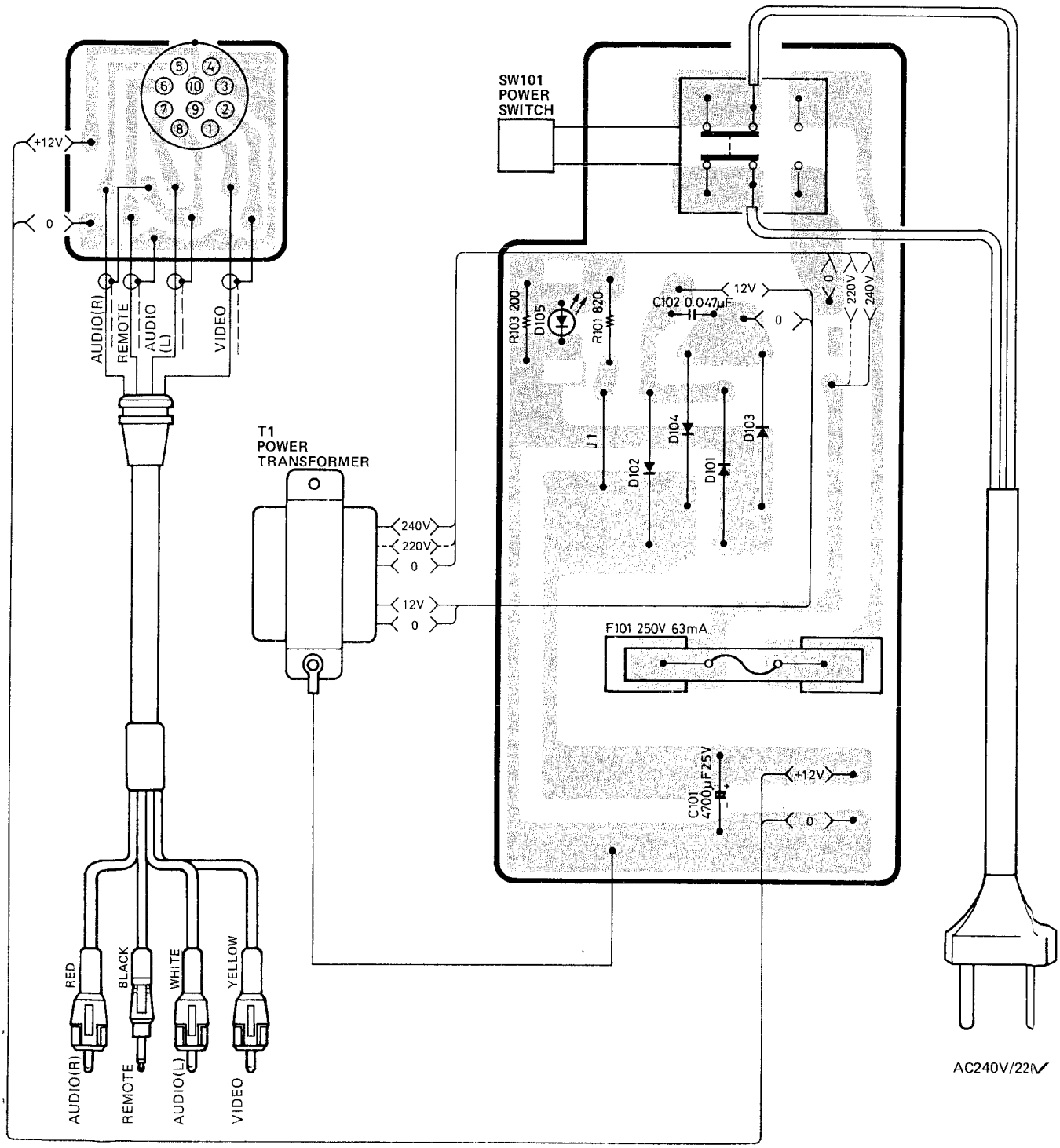
PRODUCT SAFETY NOTE

The shaded area on this schematic diagram incorporates special features important for protection from X-Radiation, fire and electrical shock hazards. When servicing it is essential that only manufacturer's specified parts be used for the critical components in the shaded areas of the schematic.

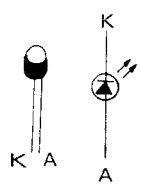
CONDUCTOR VIEW OF POWER SUPPLY

CONNECTOR BOARD

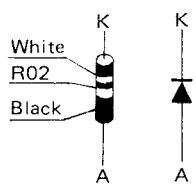
POWER SUPPLY BOARD



LN23L



YWDR02Z



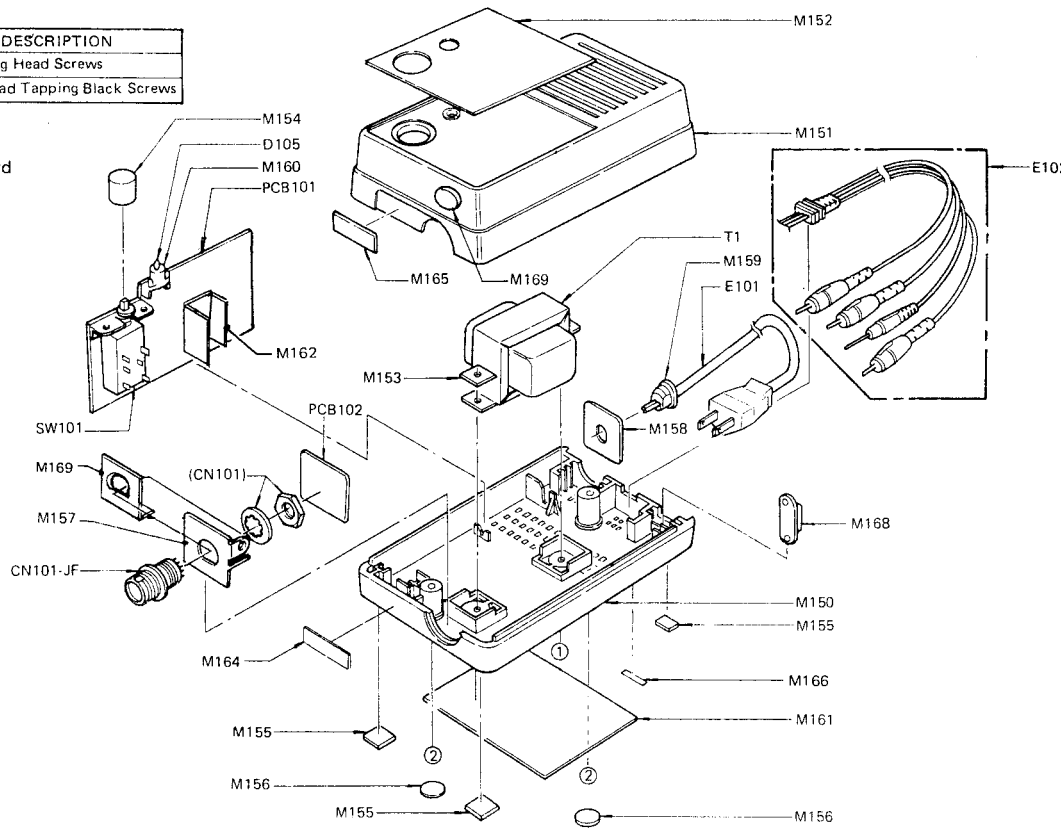
D101	YWDR02Z
D102	YWDR02Z
D103	YWDR02Z
D104	YWDR02Z
D105	LN23L

EXPLODED VIEW OF POWER SUPPLY

○ Numbers show Screws

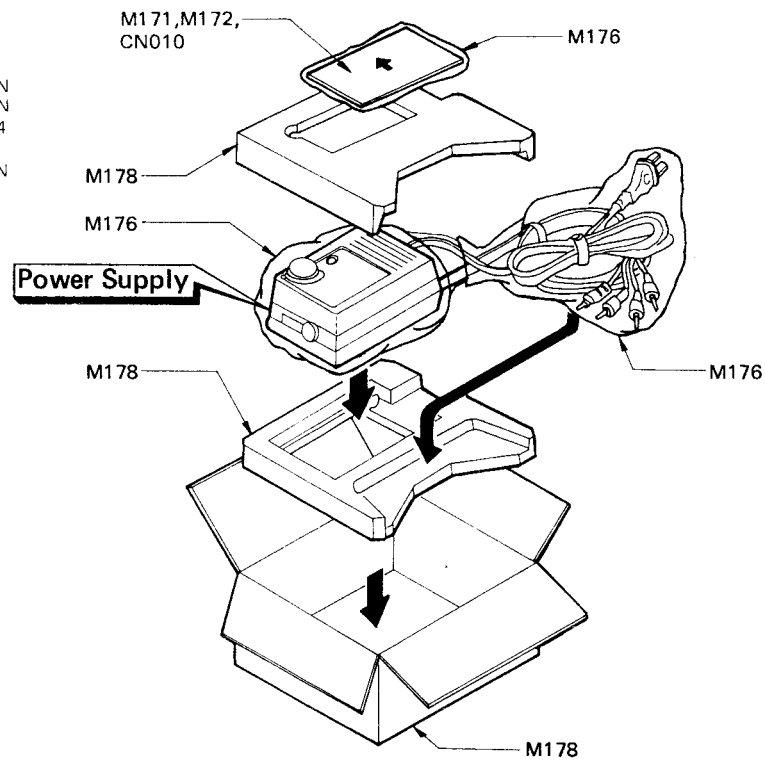
No.	Screws	DESCRIPTION
①	XSB4+8FXS	Binding Head Screws
②	XTN4+35CFXK	Pan Head Tapping Black Screws

PCB101	Power Supply Board
PCB102	Connector Board
D105	LN23L
T1	YFPHB54V008
E101	YWGTBS2F
	YWKP4192F22
	YWKP56LT2F22
E102	YFCABLE3203P
SW101	TW1P31AC202D
CN101-JF	RM215TRA10SD
M150	YVZCA66KR01B
M151	YVZCA66KR02B
M152	YWV550PUM51
	YWVPS01NUM1
M153	YWV3303LM04
M154	YWV470HR51
M155	YWV470-WB51
M156	YVZCA66LB01
M157	YWV550-AM51
M158	YWV470-AM52
M159	YWSR-4N-4
M160	YWE6400FR09
M161	YFV7QA0493A3
	YFV7QA0492A3
M162	YWVPS01ELB1
M164	YFV7MA0089A4
M165	YWV470-UB51
M166	YVZC700RB50
M168	YWV460EKR51
M169	YWVPS01ELB2



PACKAGING

CN010	YFBNCP-RCAJ
M171	YFV8QA0476AN
	YFV8QA0475AN
M172	YFV8UA0004A4
M176	XZB20X35A02
M178	YFV9CA0398AN
	YWVPS01PB1



REPLACEMENT PARTS LIST

Important Notice

1. Components identified by ⚠ mark have special characteristics important for safety.
   When replacing any of these components, use only manufacturer's specified parts.
2. Components identified by * mark are new parts used from this model.
3. Complete printed circuit board assembly is not available as replacement part.

MODEL WV-PS01AE/AI

SYM-BOL NO.		PART NO.	DESCRIPTION
POWER SUPPLY MISCELLANEOUS			
T1	⚠	YFPHB54V008	Power Transformer
E101	⚠	YWGTBS2F	Power Cord for WV-PS01AE/B
	⚠	YWKP4192F22	Power Cord for WV-PS01AE/C
	⚠	YWKP4192F22	Power Cord for WV-PS01AN
	⚠	YWKP56LT2F22	Power Cord for WV-PS01AN/A
E102		YFCABLE320P	Output Cord
M150		YVZCA66KR01B	Botton Cover
M151		YVZCA66KR02B	Upper Cover
M152		YWV550PUM51	Decoration panel for WV-PS01AE
		YWVPS01NUM1	Decoration panel for WV-PS01AN
M153		YWV3303LM04	Supprt Plate for Transformer (x2)
M154		YWV470HR51	Knob
M155		YWV470-WB51	Pubber Foot (x4)
M156		YVZCA66LB01	Insulator Rubber (x2)
M158		YWV470-AM52	Mounting Plate for Power Cord
M159		YWSR-4N-4	Cord Bushing
M161	⚠	*YFV7QA0493A3	Main Label for WV-PS01AE/B, WV-PS01AE/C
	⚠	*YFV7QA0492A3	Main Label for WV-PS01AN, WV-PS01AN/A
M164	⚠	YFV7MA0089A4	Output Safety Label for WV-PS01/AE
M165	⚠	YWV470-UB51	Front Label
M166		YVZC700RB50	Serial No. Label
M168		YWV460EKR51	AC Outlet Socket

SYM-BOL NO.		PART NO.	DESCRIPTION		
PCB101 POWER SUPPLY BOARD					
D101-104		YWDR02Z	Diode		
D105		LN23L	Light Emitting Diode		
R101		ERD50TJ821	Carbon	820Ω	1/2W
R103		ERD25FJ201	Carbon	200Ω	1/4W
J1		ERD25T0	Jumper Resistor		
C101		ECET25R472	Electrolytic	4700μF	25V
C102		ECKF1H473ZF	Ceramic	0.047μF	50V
SW101	⚠	TW1P31AC202A	Power Switch		
F101	⚠	XBA2C006ET0A	Fuse 63mA		
E103		TWSN5053	Fuse Holder (x2)		
TP101-103		YWTM028	Terminal		
M160		YWE6400FR09	LED Holder		
M162		YWVPS01ELB1	Insulator part for Fuse		

SYM-BOL NO.	PART NO.	DESCRIPTION
PCB102 CONNECTOR BOARD		
CN101-JF	RM215TRA10SD	10-pin Connector
M157	YWV550-AM51A	Mounting Angle for Connector
M169	YWVPS01ELB2	Insulator part for Connector
ACCESSORY PARTS/PACKAGING PARTS		
CN010	YFBNCP-RCAJ	BNC-RCA Adaptor
M171	*YFV8QA0476AN	Operating Instruction for WV-PS01AE
	*YFV8QA0475AN	Operating Instruction for WV-PS01AN
M172	*YFV8UA0004A4	Warranty Card for WV-PS01AN/A
M176	XZB20X35A02	Polyethylene Bag (x3)
M178	*YFV9CA0398AN	Packaging for WV-PS01AE/B, WV-PS01AE/C
	YWVPS01NPB1	Packaging for WV-PS01AN, WV-PS01AN/A